

EXHIBIT F

3-YEAR ASBESTOS RE-INSPECTION REPORT

CHARLES SUMNER ELEMENTARY SCHOOL SCRANTON, PA

prepared for:

**SCRANTON SCHOOL DISTRICT
425 North Washington Avenue
Scranton, Pa. 18505**

CONSULTANTS:

Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

PROJECT: #SSD.19_751

Updated:

August 2019

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ASBESTOS INSPECTION

For the property known as:

CHARLES SUMNER ELEMENTARY SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Re-inspection Survey was conducted on August 13, 2019 at the above-listed location. The purpose of the survey was to visually locate, identify, and assess asbestos-containing building materials. The survey was conducted by Certified Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028) and Gary Marshall (DLI Asbestos Inspector Certification #006907).

All accessible rooms and areas of the building were entered for inspection of suspected asbestos materials. Suspected asbestos materials not previously sampled (If applicable) were sampled and sent to a laboratory for analyses to confirm or negate the suspicion of asbestos content. Other suspect materials were assumed to contain asbestos.

The results are summarized as follows:

A. Asbestos-containing Materials

1. All confirmed or assumed (roofing materials, chalkboard mastic, etc.) asbestos-containing materials are listed in Appendix A. Materials that were tested and found not to contain asbestos are also listed in Section 6.
2. Recommendations

Recommendations are given in relation to renovation maintenance and demolition activities for the school building in Section 7.

SECTION 2 INTRODUCTION

An Asbestos Materials Inspection of the Charles Sumner Elementary School was performed at the request Scranton School District, Scranton, PA. The purpose of the inspection was to determine the types, quantities, and conditions of confirmed or assumed asbestos-containing materials, if not previously tested.

Once suspected asbestos materials were identified, they were sampled to verify or negate the suspicion of asbestos content (roofs were not tested and were assumed to contain asbestos). All materials sampled were analyzed via EPA Method 600/R-93/116 utilizing Polarized Light Microscopy by *EMSL Analytical, Inc., a NVLAP- accredited laboratory.*

The friability of these materials was also determined. Friable materials, such as cementitious pipe insulation, are those that can be crumbled, pulverized, or reduced to powder by hand or finger pressure. Non-friable materials, such as floor tiles in good condition, are those that cannot be crumbled, pulverized, or reduced to powder by hand or finger pressure. It is possible for normally non-friable materials to be considered as friable if they are in poor or damaged condition or will be rendered friable by construction or other activities, such as drilling, sanding, crushing by heavy equipment, etc.

The Initial Asbestos Hazard Emergency Response Act (AHERA) Building Inspection Report and Management Plan which was prepared and filed in accordance with the United States Environmental Protection Agency's (EPA) Regulation 40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools is on file and available for review at the Scranton School District Administration Offices and Charles Sumner Elementary School Administration Office.

SECTION 3 BUILDING DISCRIPTION

Charles Sumner Elementary School, located at North Sumner Avenue & Swetland Street, Scranton, PA is a steel and masonry building constructed in 1968. The building is a split level design, consisting of two (2) sections. The first section consists of a basement and first floor. The second section consists of a partial first floor and second floor. The total Facility contains approximately 34,313 sq. ft. of floor area.

SECTION 4 METHODS

Prior to re-inspection the following documents were reviewed by Guzek Associates, Inc.

1. Original inspection report
2. 2016 3-Year Re-inspection Report
3. AHERA 6-month Periodic Surveillance Inspection Reports

Upon completion of reviewing the above referenced documentation, Guzek Associates, Inc. conducted a room-by-room and area-by-area inspection of the building to verify the locations of Asbestos Containing Materials listed in the above documents and to determined the conditions (Good, Damaged, or Significantly Damaged) of these materials. In addition, suspect materials not listed in the above documents were identified and either assumed to contain asbestos or collected and analyzed to determined asbestos content.

The asbestos inspection survey was conducted by inspectors qualified by experience, education, and training in the recognition of suspected asbestos-containing materials. Sampling was limited to only areas that were easily accessible (above ceiling tiles, operable hatches, and open areas.) No walls, chases or ceilings, etc. were penetrated during this inspection.

For those materials analyzed for asbestos content during this inspection, representative samples of "suspected" asbestos-containing materials were collected utilizing approved federal and state methods.

All Samples collected were analyzed by EMSL Analytical, Inc., Cinnaminson, NJ. Using EPA 600/R-93/116 Method using Polarized Light Microscopy

SECTION 5 REINSPECTION FINDINGS

The attached inspection forms in Appendix A indicate both the locations and assessed conditions of confirmed or assumed asbestos containing materials as identified in the building by the 2019 Re-inspection conducted by Guzek Associates, Inc.

The Scranton School District intends to continue implementation of the Operations & Maintenance Program recommendations as contained in the original AHERA Management Plan and to maintain its stringent occupational and environmental protection standards for the on-going control of the identified ACBM's within the building.

SECTION 6 INSPECTION RESULTS

A. Asbestos-containing Materials

Appendix A contains a list and drawings of all confirmed and assumed asbestos-containing materials identified in the 3-year re-inspection report for Charles Sumner Elementary School conducted by Guzek Associates, Inc.. This table also includes locations and condition assessments (Good, Damaged, or Significantly Damaged).

Finally all Chain of Custody and Analytical Laboratory Reports for the 2016 3-Year Re-inspection Report is included in Appendix B.

Note: In addition to those materials listed in the Homogeneous Sampling Chart in Appendix A, the following suspected asbestos-containing materials may be present:

1. Pipe and/or pipe fitting insulation (friable materials) in wall cavities in the vicinities of bathroom and shower fixtures, sinks, and drinking water fountains – no access at time of inspection.
2. Glue pucks behind chalkboards (Category 1 non-friable material) – no access at time of inspection.
3. Fire Doors
4. Roofing Materials (including Flashing and Tar)
5. Electrical wiring insulation maybe present

Materials That Were Tested and Found Not to Contain Asbestos

- All layers of hard wall and ceiling plasters
- All sheetrock and joint compound
- All ceiling tile
- Mastic on Fiberglass Ends Piping (Boiler Room)
- Paper over Ductwork

SECTION 7 RECOMMENDATIONS

- A. Any Materials listed as Presumed Asbestos Containing Materials (PACM) in Appendix A shall either be assumed to contain asbestos or should be analyzed prior to disturbance to determine asbestos content at time of disturbance
- B. All Asbestos Containing Materials in the building that are to remain in place shall be treated according to Operation and Maintenance (O&M) procedures for each specific material and as listed in the O&M plan for the Charles Sumner Elementary School.
- C. All presumed or confirmed asbestos containing materials that will be potentially damaged by any activity (renovation, demolition, maintenance, etc.) shall be:
 - 1. Removed by a Pennsylvania Department of Labor and Industry (PaDLI) Certified asbestos abatement contractor prior to renovation. Final clearance air monitoring should be performed by an independent third party contracted to the school district.

Or

- 2. The Activity that will potentially disturb Asbestos Containing Materials shall be designed to avoid said disturbance.

SECTION 8 ASBESTOS INSPECTOR ACCREDITATION

Certified PA Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028) and Brent Tripp (DLI Asbestos Inspector Certification #053975). Copies of their certificates are included in this report on the following pages.

Certificate of Completion

awarded to

Chris Notari

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.

7921 River Road, Pennsauken, NJ 08110

(856) 665-3449

7/11/19

Course Date

N/A

Exam Date

7/11/20

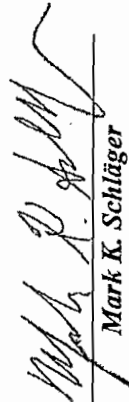
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-005

Certificate Number


Mark K. Schlager
Training Director

Certificate of Completion

awarded to

Brent M. Tripp

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

7/11/19

Course Date

N/A

Exam Date

7/11/20

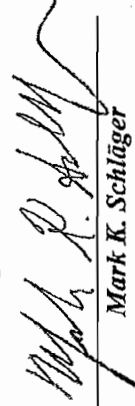
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-006

Certificate Number



Mark K. Schlager
Training Director

APPENDIX A

REINSPECTION FINDINGS:

HOMOGENEOUS SAMPLING CHART

RESPONSE ACTION BASED ON HAZARD RANK

**ASBESTOS CONTAINING BUILDING MATERIAL
(ACBM) LOCATION DRAWINGS**

HOMOGENEOUS SAMPLING CHART

Scranton School District Building: Charles Sumner Elementary School Dates of Original AHERA Inspection: July, 1988 Page 1 of 2

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Boiler Room	Hot Water Storage Tank (Approx. 100 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Remove fitting on top of water tank
	Flue Mud (Hot Water Tank) (Approx. 10 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Material is becoming Loose, Remove
	Mortar on Boiler (Approx. 60 - 70 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Fittings /Pipe Insulation (Approx. 40 - 50 LF.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Boy's & Girl's Room Chases, and Storage Room 2	Fittings /Pipe Insulation (Approx. 30 - 40 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main floor, Maintenance Office	Fittings /Pipe Insulation (Approx. 15 - 20 LF.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	9"x9" Floor Tile & Mastic (Approx. 479 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
Main Floor, Room 02	Fittings /Pipe Insulation (Approx. 4 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Floor, Room 03	Fittings /Pipe Insulation (Approx. 4 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Floor, Multipurpose Room	9"x9" Floor Tile & Mastic (Approx. 2,500 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Tile are cracking in many areas - Mastic Assumed
2nd Floor, Janitor's Closet	Fittings /Pipe Insulation (Approx. 1 Fitting)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Tile are cracking in many areas - Mastic Assumed
Stairwell No.1	9"x9" Floor Tile & Mastic (Approx. 275 SQ. FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Tile are cracking in many areas - Mastic Assumed

Information abstracted by: C. Notary and B. Tripp in August, 2019

Building Inspector's Certification No.: 027028-PA & 053975-PA

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

Assessment: G = Good, D = Damaged, SD = Significantly Damaged

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

HOMOGENEOUS SAMPLING CHART

Scranton School District Building: Charles Sumner Elementary School Dates of Original AHERA Inspection: July, 1988 Page 2 of 2

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Stairwell No.2	9"x9" & 12"x12" Floor Tile & Mastic (Approx. 275 SQ.FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Tile are cracking in many areas - Mastic Assumed
	12"x12" Floor Tile & Mastic (Approx. 25 SQ.FT.)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Mastic Assumed
Main Floor, Faculty Area	Vapor Barriers	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Lower area not accessible
	Mastic Behind Chalkboards, panels, and wallboards, etc.	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Not accessible during inspection
Throughout Building	Exterior Caulking Between Aluminum Panels & Brick (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior / Interior Cementitious Panels found above & below windows (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Some panels exhibit wear and are starting to deteriorate
	Sink Coating on Exterior Base of Sinks	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior / Interior Red fibrous material (Found on interior of panel)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	3	5	- Associated with Cementitious Panels. This material is found inbetween layers of Cementitious Panels
	Ductwork Flex Connections	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior / Interior Door Caulk (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior Window Caulk (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- In some areas the glazing is becoming loose
	Exterior Window Glazing (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	4	4	

Information abstracted by: C. Notary and B. Tripp in August, 2019

Fraility: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

Building Inspector's Certification No.: 027028-PA & 053975-PA

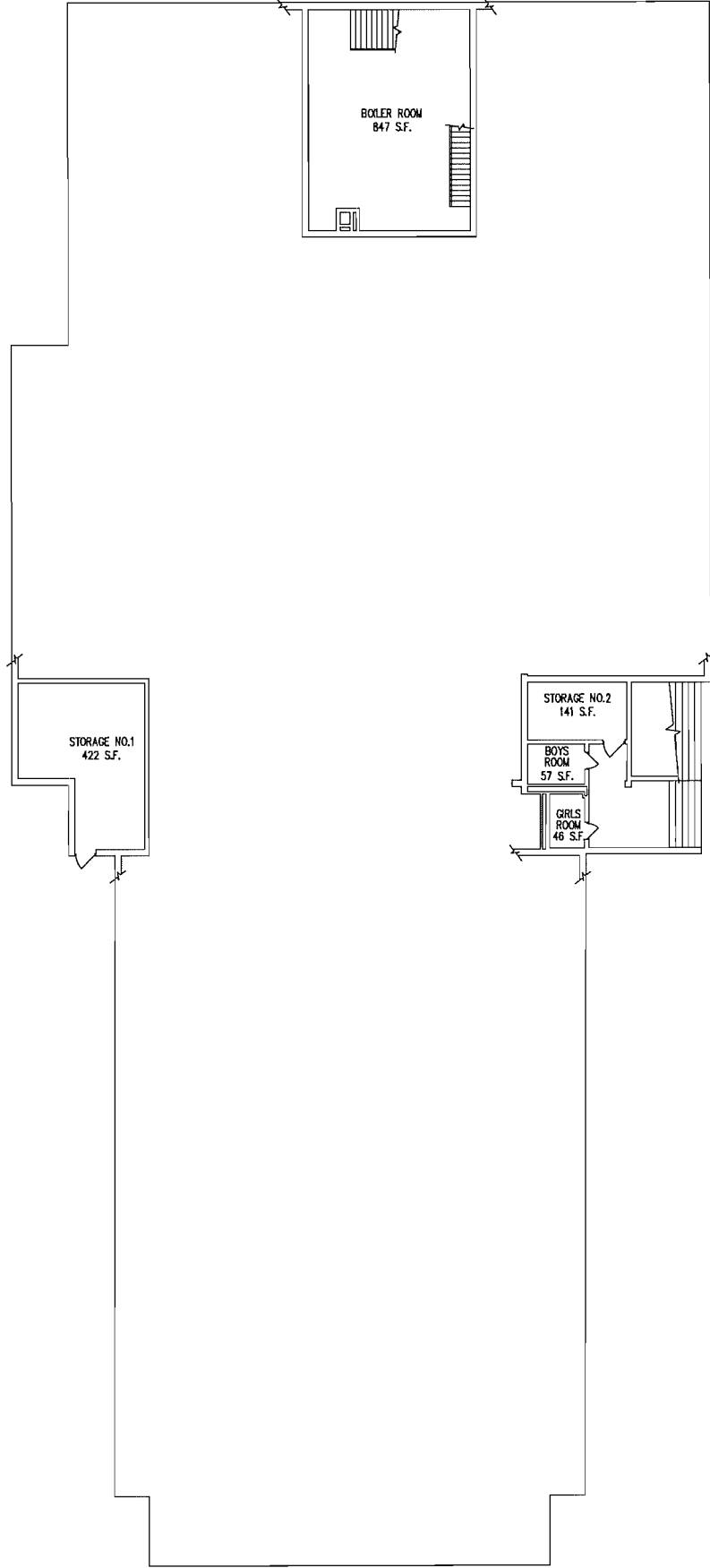
Assessment: G = Good, D = Damaged, SD = Significantly Damaged

RESPONSE ACTIONS BASED ON HAZARD RANK

HAZARD RANK	REMOVAL PRIORITY	AHERA CATEGORIES	RESPONSE ACTIONS REQUIRED BY AHERA
7	1	Significantly Damaged	Evacuate or restrict the area if needed. Remove the ACBM (or enclose or encapsulate it if sufficient to contain fibers). Repair of T.S.I. allowed if feasible and safe. O&M required for all ACBM.
6	2	Damaged with Potential for Significant Damaged	Evacuate or restrict the area if needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M required for all ACBM.
5	3	Damaged with Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
4	4	Damaged with Low Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
3	5	Good with Potential for Significant Damage	Evacuate or restrict the area if needed. Take steps to reduce potential for disturbance. O&M required for all ACBM.
2	6	Good with Potential For Damage	O&M required for all ACBM. Take steps to reduce potential for damage.
1	7	Good with Low Potential for Disturbance	O&M required for all ACBM

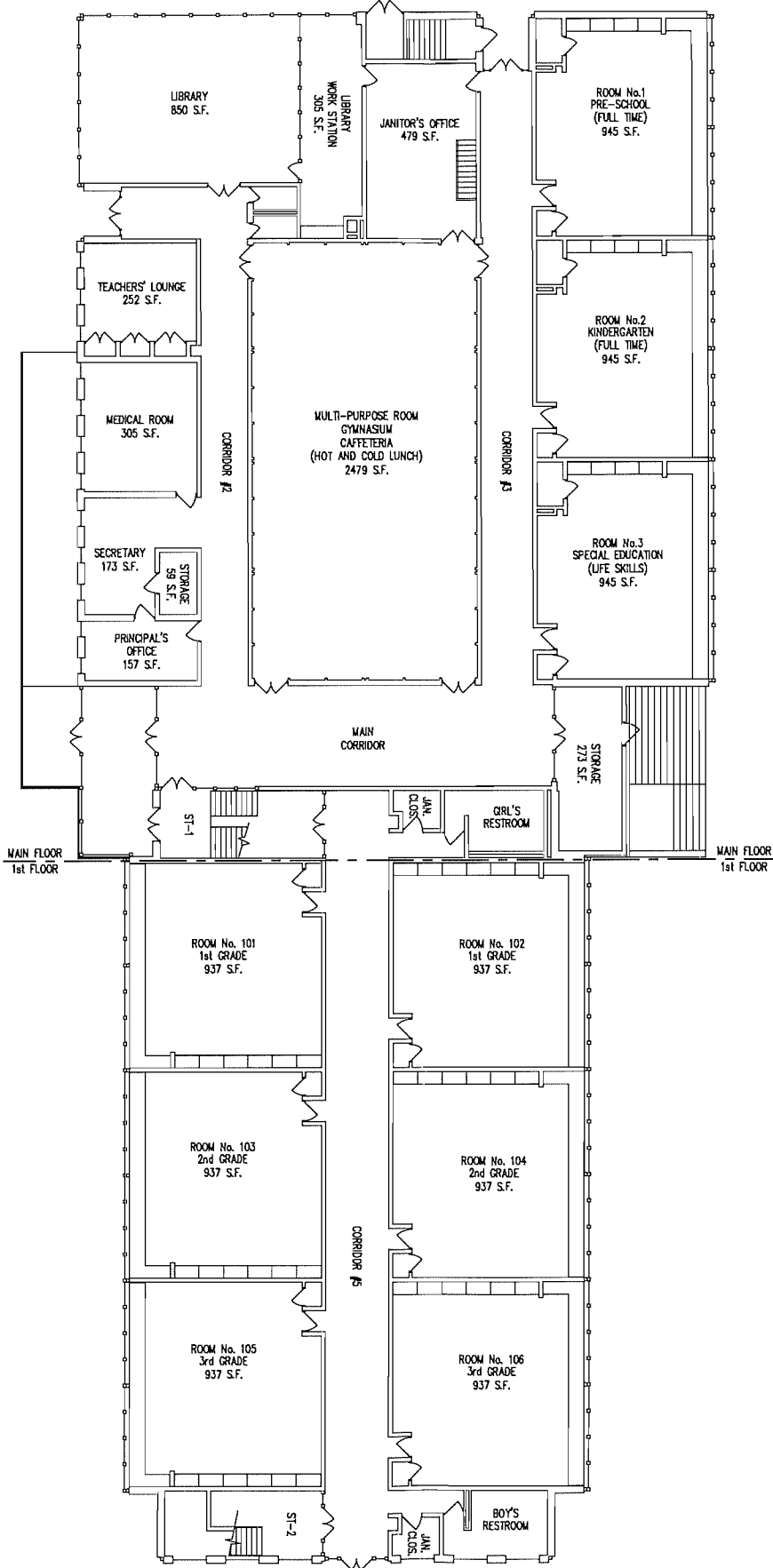
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BASEMENT PLAN
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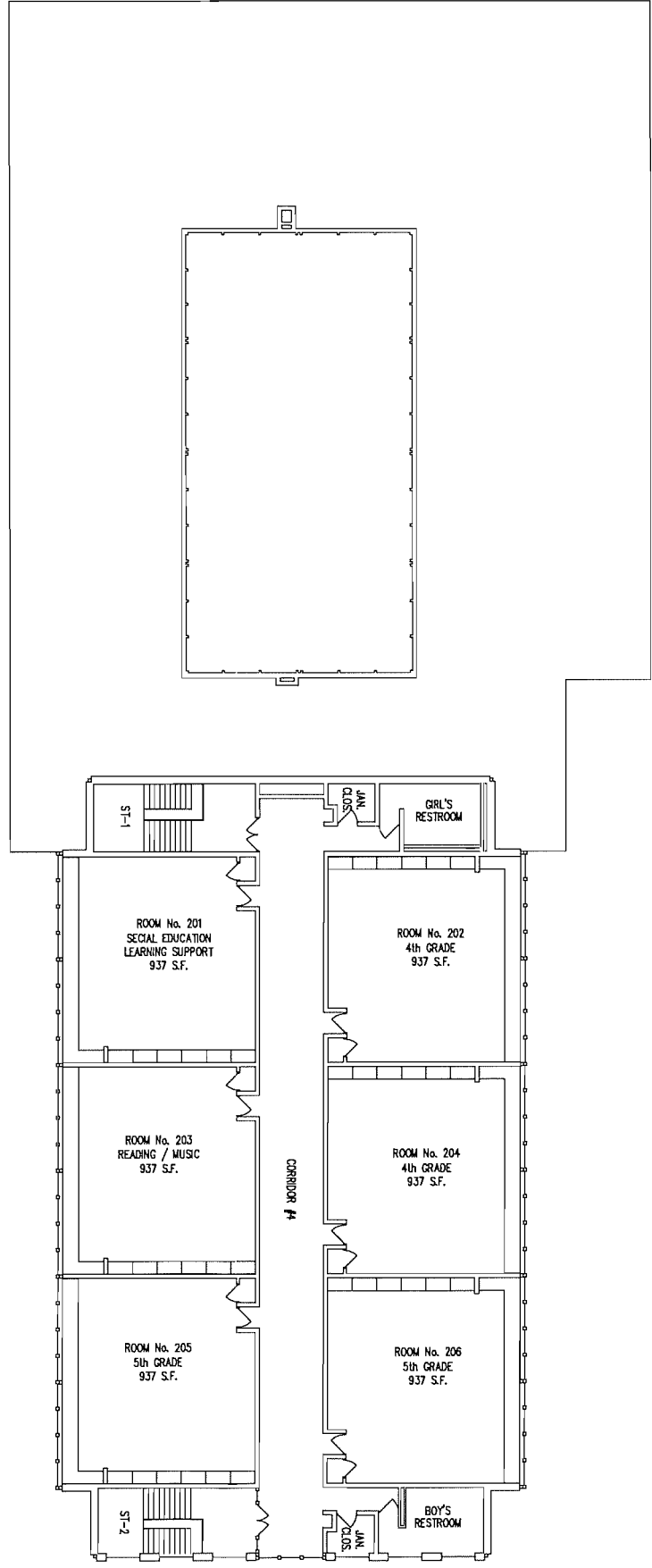
KEY - SURFACING ACM
ASSUMED ASBESTOS CONTAINING
SURFACING MATERIALS ON ALL FLOORS:
1. EXTERIOR COATING ON SINKS

**MAIN & 1ST
FLOOR PLAN**
NOT TO SCALE



KEY - SURFACING ACM
ASSUMED ASBESTOS CONTAINING
SURFACING MATERIALS ON ALL FLOORS:
1. EXTERIOR COATING ON SINKS

2ND FLOOR PLAN
NOT TO SCALE



KEY - SURFACING ACM
ASSUMED ASBESTOS CONTAINING
SURFACING MATERIALS ON ALL FLOORS:
1. EXTERIOR COATING ON SINKS

ACM LOCATIONS: 07-30-19

Guzek Associates, Inc.
Mechanical, Electrical, Structural,
Environmental, and Architectural
Engineering
401 Davis Street
Clark Summit, PA 18411
Phone: (570) 586-9700
Fax: (570) 586-6728
E-Mail: guzekassoc@aol.com

DRAWN BY: BMT
CHECKED BY: CN
JOB No.:
SSD 19_751
SCALE: AS NOTED
DATE: 08/13/2019

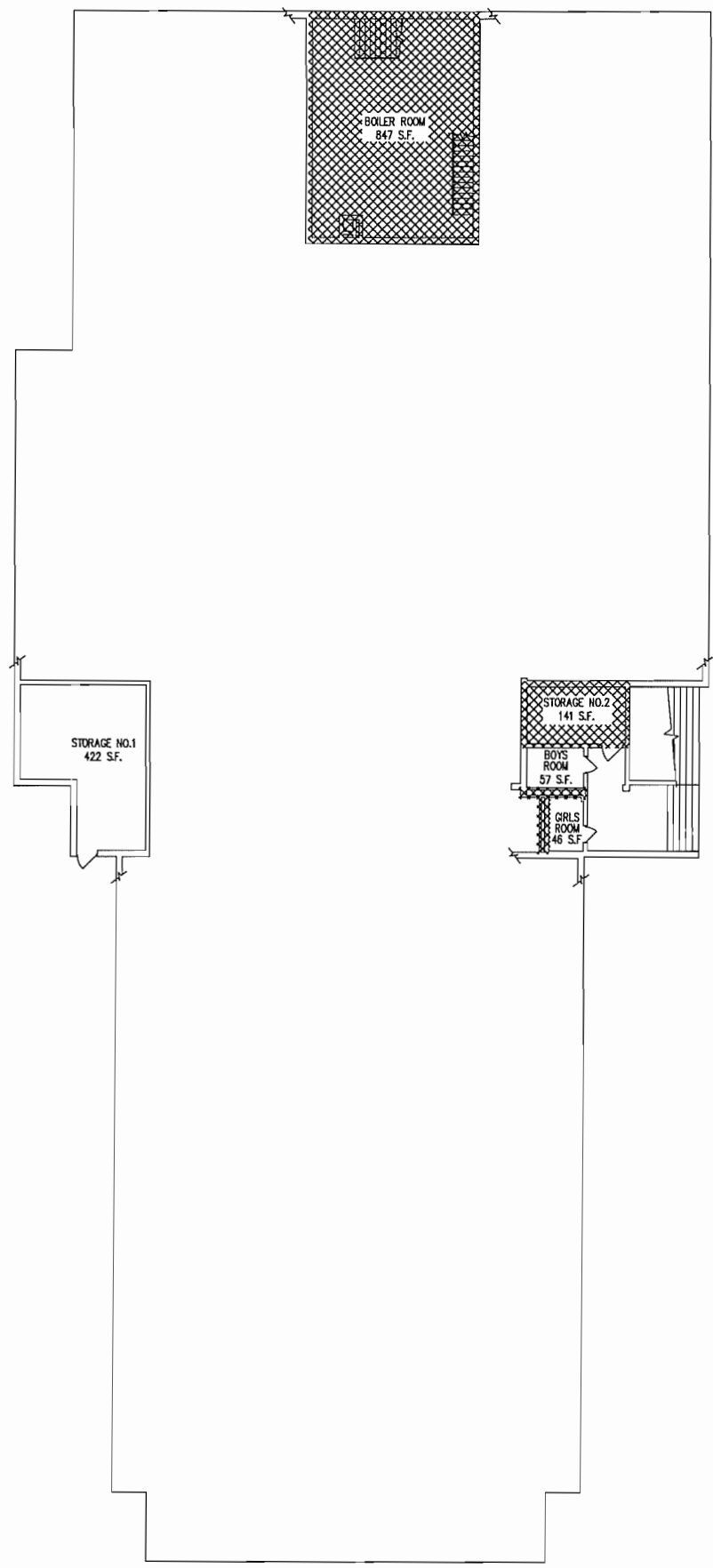
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Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505


Asbestos Management Plans

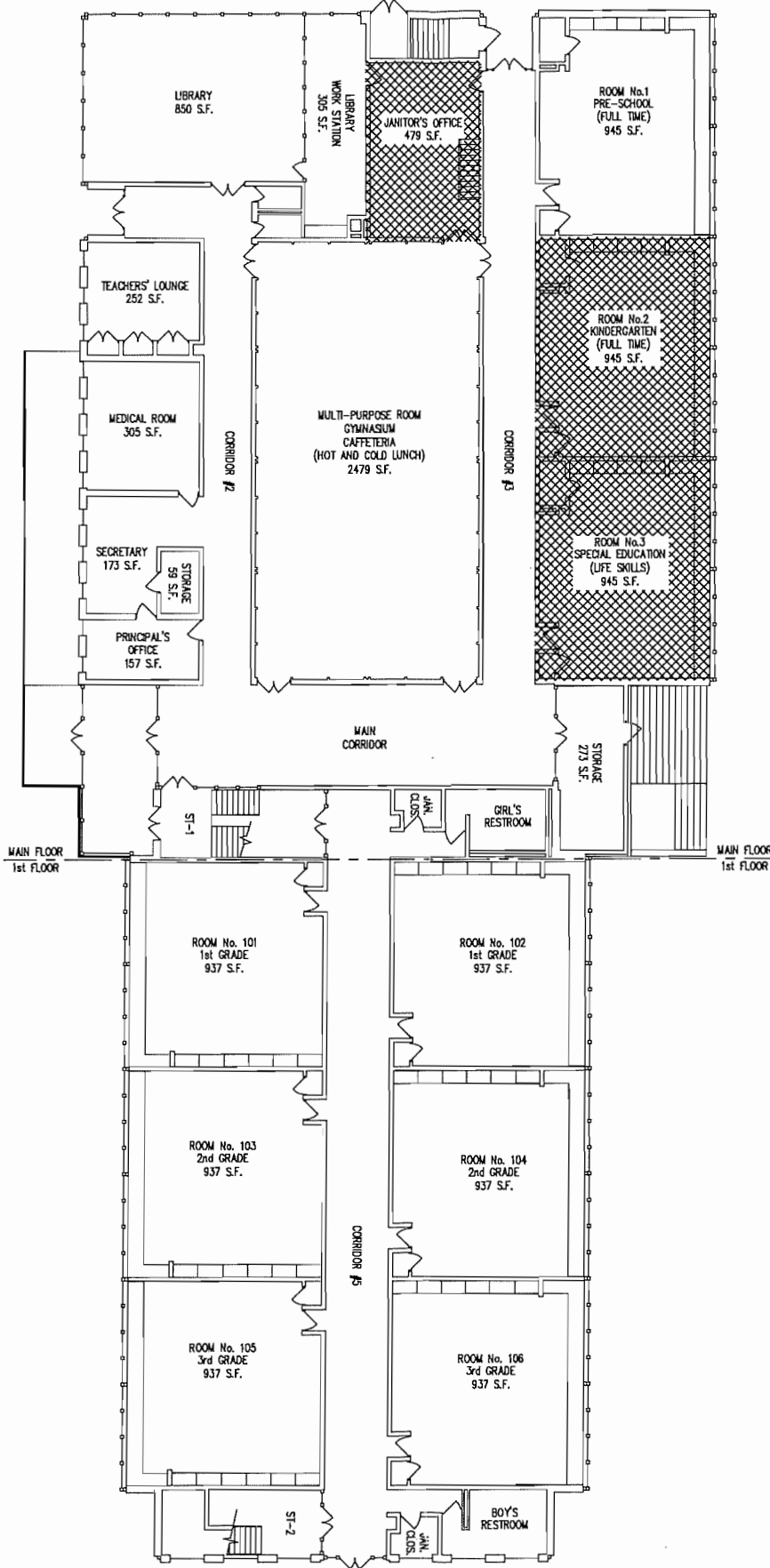
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THERMAL ASBESTOS CONTAINING MATERIALS




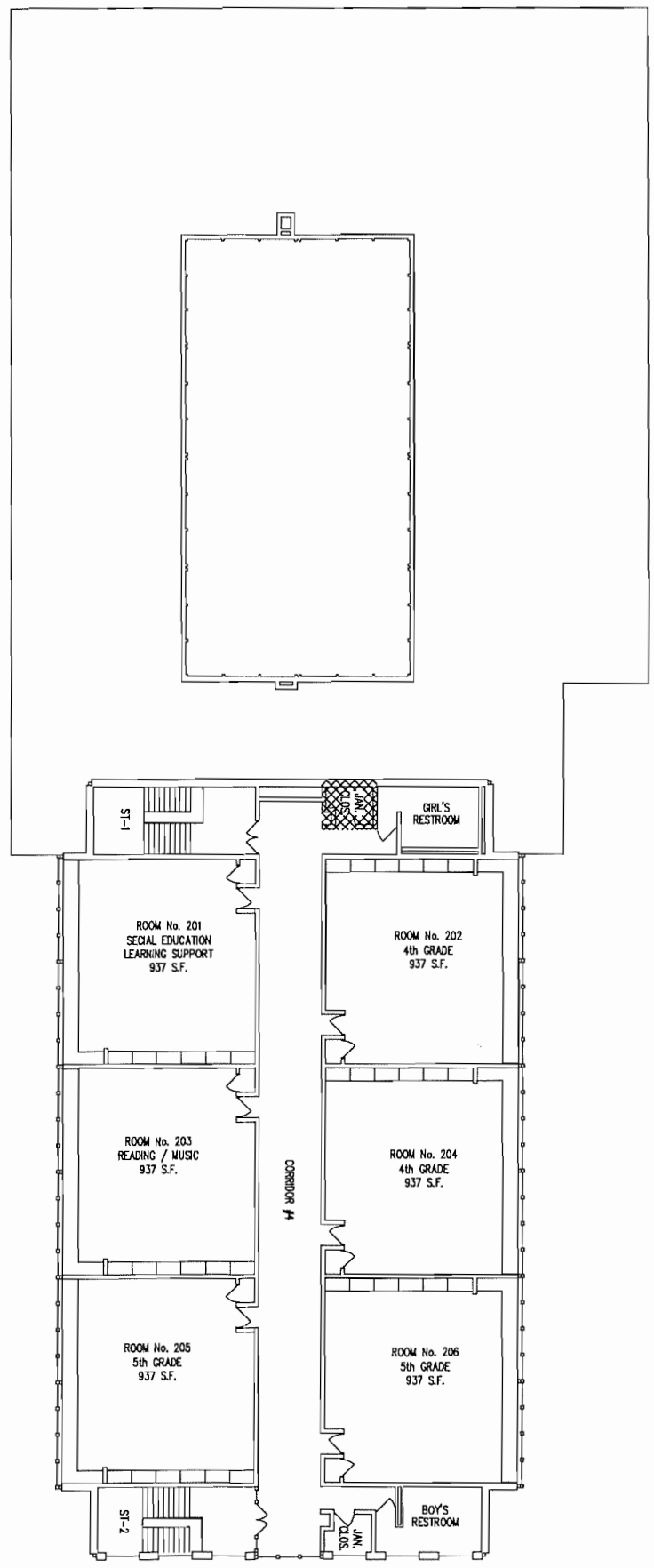
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 CEMENTITIOUS FITTINGS




KEY - THERMAL ACM

 CEMENTITIOUS FITTINGS



KEY - THERMAL ACM

 CEMENTITIOUS FITTINGS

ACM LOCATIONS: 07-30-19

Guzek Associates, Inc.
Mechanical, Electrical, Structural, Environmental, and Architectural Engineering
401 Davis Street
Clark Summit, PA 18411
Phone: (570) 586-9700
Fax: (570) 586-6728
E-Mail: guzekassoc@aol.com

DRAWN BY: BMT
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JOB NO.: SSD 19_751
SCALE: AS NOTED
DATE: 08/13/2019

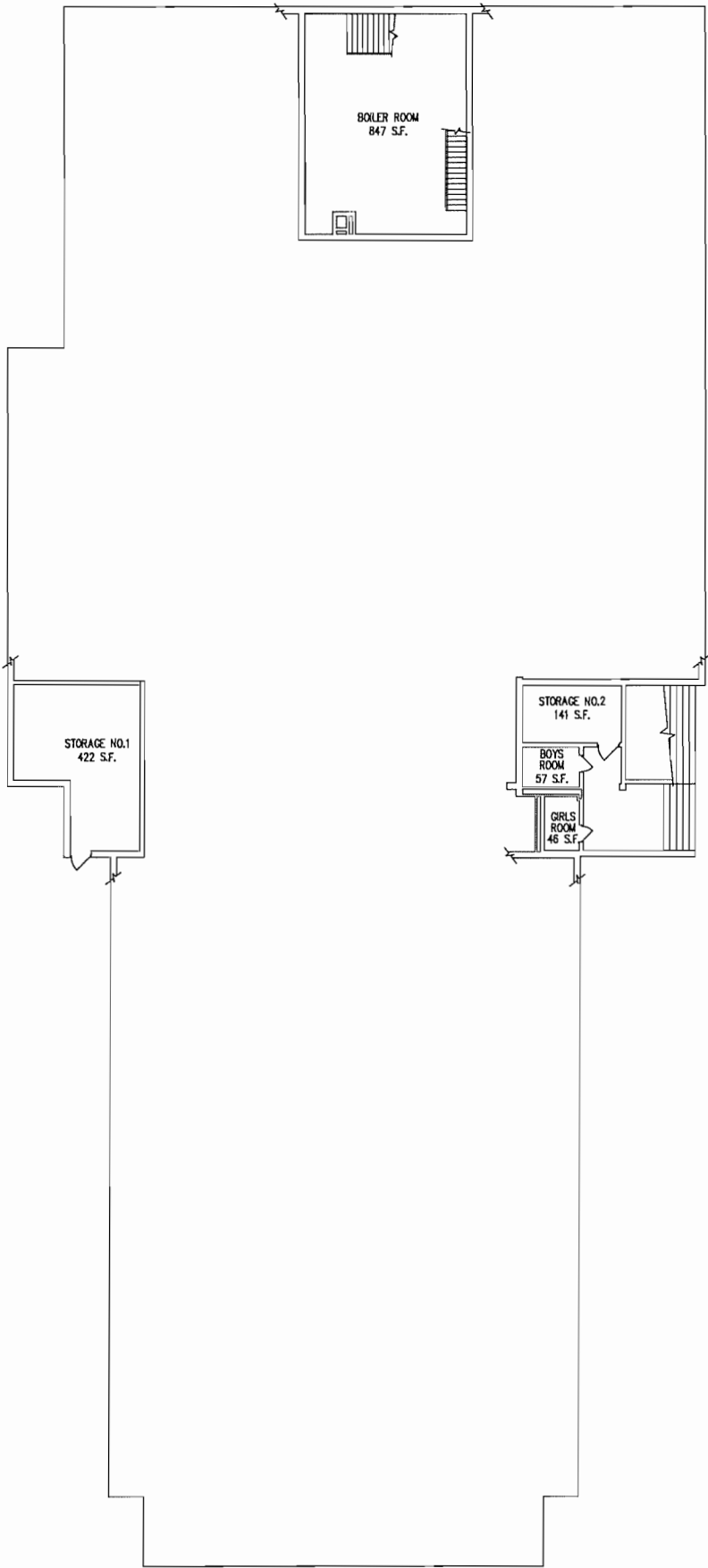
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Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

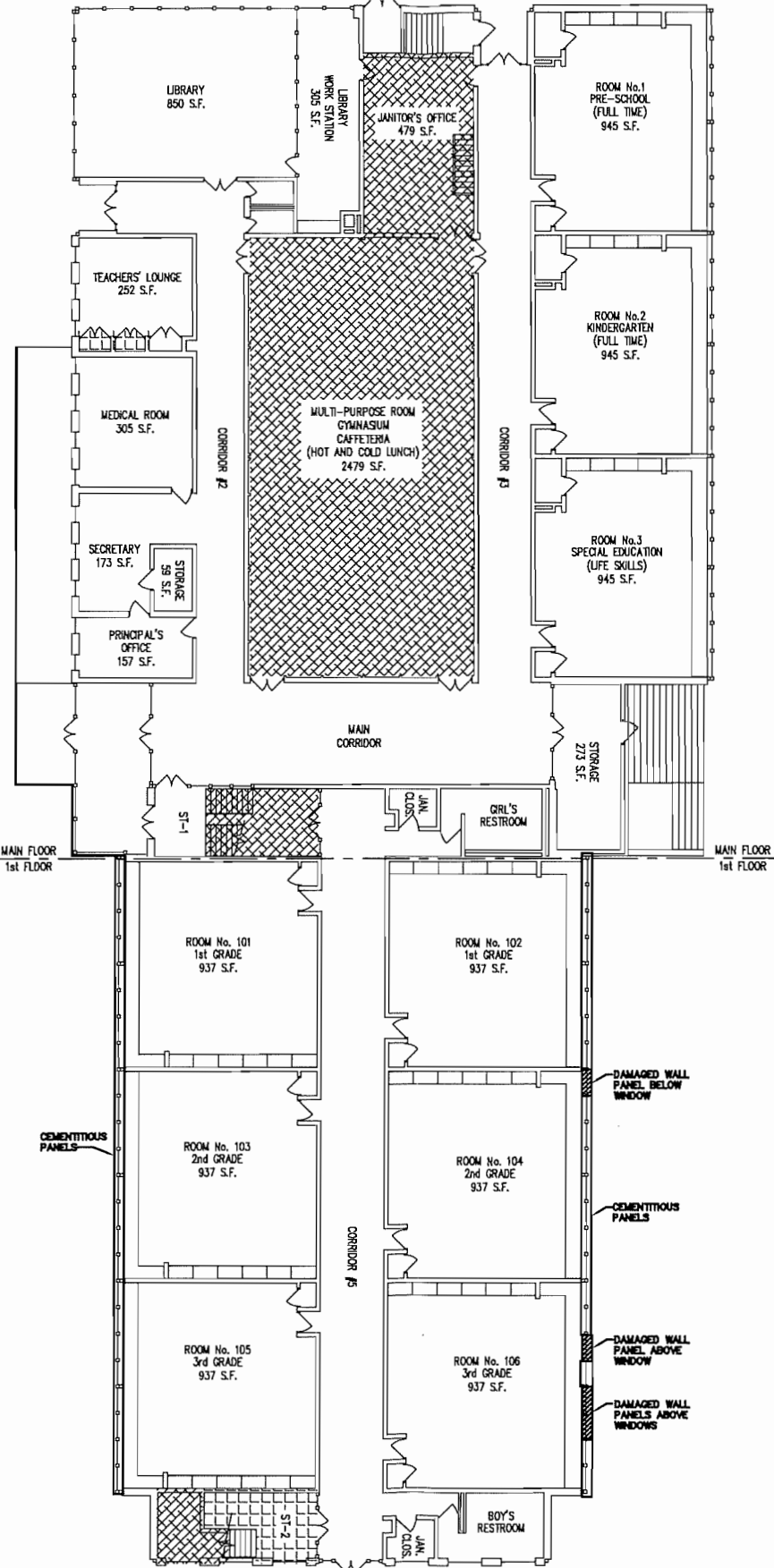
Asbestos Management Plans

DRAWING No.:
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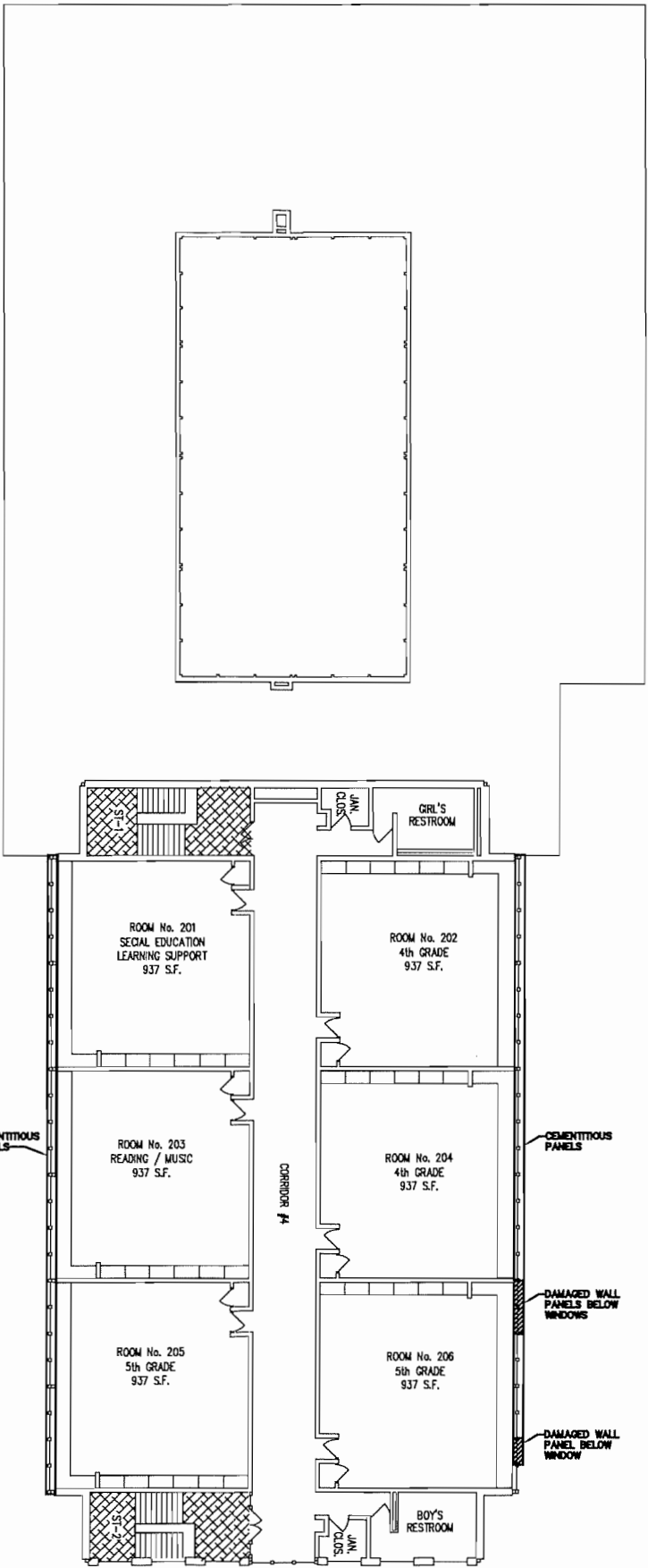
MISCELLANEOUS ASBESTOS CONTAINING MATERIALS



KEY - MISCELLANEOUS ACM
ASSUMED ASBESTOS CONTAINING
MISCELLANEOUS MATERIALS:
1. CHALKBOARD MASTIC
2. DUCTWORK FLEX CONNECTIONS



KEY - MISCELLANEOUS ACM
9"x9" FLOOR TILE & MASTIC
12"x12" FLOOR TILE & MASTIC
ASSUMED ASBESTOS CONTAINING
MISCELLANEOUS MATERIALS:
1. CHALKBOARD MASTIC
2. DUCTWORK FLEX CONNECTIONS
EXTERIOR ASBESTOS CEMENT BOARD



KEY - MISCELLANEOUS ACM
9"x9" FLOOR TILE & MASTIC
EXTERIOR ASBESTOS CEMENT BOARD
ASSUMED ASBESTOS CONTAINING
MISCELLANEOUS MATERIALS:
1. CHALKBOARD MASTIC
2. DUCTWORK FLEX CONNECTIONS

ACM LOCATIONS: 07-30-19

Guzek Associates, Inc.
Mechanical, Electrical, Structural,
Environmental, and Architectural
Engineering
401 Davis Street
Clark Summit, PA 18411
Phone: (570) 586-9700
Fax: (570) 586-6728
E-Mail: guzekassoc@aol.com

DRAWN BY: BMT
CHECKED BY: CN
JOB No.: SSD 19_751
SCALE: AS NOTED
DATE: 08/13/2019

DWG. TITLE: 2016 CHARLES SUMNER ELEMENTARY SCHOOL FLOOR PLANS

Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

Asbestos Management Plans

DRAWING No.:
**A
3**

APPENDIX B

**TEST RESULTS FOR SUSPECTED
ASBESTOS-CONTAINING MATERIALS:**

2016 LABORATORY REPORTS

2016 CHAIN OF CUSTODY

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-5974
 http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 041621869
 Customer ID: CLAG50
 Customer PO: 080216
 Project ID:

Attention: Joe Guzek
 Guzek Associates, Inc.
 401 Davis Street
 Clarks Summit, PA 18411

Phone: (570) 586-9700
 Fax: (570) 586-6728
 Received Date: 08/08/2016 9:10 AM
 Analysis Date: 08/13/2016 - 08/14/2016
 Collected Date: 08/02/2016

Project: SSD-Summer

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
 Light Microscopy**

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
01 041621869-0001	Boiler Room - Mastic on Fiberglass	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02 041621869-0002	Boiler Room - Interior Boiler Brick	Tan/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03 041621869-0003	Boiler Room - Mortar Interior of Boiler	Brown Non-Fibrous Homogeneous	40% Glass	57% Non-fibrous (Other)	3% Chrysotile
04 041621869-0004	Boiler Room - Interior Boiler Brick	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05 041621869-0005	Boiler Room - Boiler Gasket	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06 041621869-0006	Boiler Room - Exterior of Boiler Cementitious Insulation	Tan Fibrous Homogeneous	40% Min. Wool	35% Non-fibrous (Other)	25% Chrysotile
07 041621869-0007	Boiler Room - Exterior of Boiler Cementitious Insulation	Tan Fibrous Homogeneous	40% Min. Wool	35% Non-fibrous (Other)	25% Chrysotile
08 041621869-0008	1st Floor - Room 001 - 2'x4' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
09 041621869-0009	1st Floor - Storage Next to Room 003 - 2'x4' Ceiling Tile	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
10 041621869-0010	1st Floor - Hallway Speech Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11 041621869-0011	1st Floor - Hallway Speech Room - Sheetrock	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
12A 041621869-0012	1st Floor - Mail Hallway - 2'x4' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
12W 041621869-0013	1st Floor - Principal Office - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B 041621869-0014	1st Floor - Principal Office - Plaster - Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14W 041621869-0015	1st Floor - Lav - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15B 041621869-0016	1st Floor - Lav - Plaster - Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/14/2016 12:33:43

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 041621869

Customer ID: CLAG50

Customer PO: 080216

Project ID:

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16 041621869-0017	1st Floor - Library Office - Sink Coating - Black Exterior	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
17 041621869-0018	1st Floor - Maintenance Office - Paper Over Duct	Tan Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
18 041621869-0019	1st Floor - Stairs to 2nd Floor - Linoleum on Steps	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19 041621869-0020	2nd Floor - Room 201 - Sink Coating - Black Exterior	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
20 041621869-0021	2nd Floor - Hallway - Near Janitors Sink - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21 041621869-0022	2nd Floor - Hallway - Near Janitors Sink - Sheetrock	White Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
22-Transite 041621869-0023	2nd Floor - Hallway - Red Fibrous Behind Metal Panel	Gray Fibrous Homogeneous		55% Non-fibrous (Other)	45% Chrysotile
22-Foam 041621869-0023A	2nd Floor - Hallway - Red Fibrous Behind Metal Panel	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23 041621869-0024	1st Floor - Hallway - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24 041621869-0025	1st Floor - Hallway - Sheetrock	White Fibrous Homogeneous	5% Cellulose 15% Glass	80% Non-fibrous (Other)	None Detected
25 041621869-0026	1st Floor - Hallway - To Exit - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26 041621869-0027	1st Floor - Hallway - To Exit - Sheetrock	White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
27 041621869-0028	1st Floor Hallway - Middle Steps - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28 041621869-0029	1st Floor - Hallway - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose 3% Glass	82% Non-fibrous (Other)	None Detected
29 041621869-0030	1st Floor - Front Door - In Front of Steps - Caulk	Gray Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
30 041621869-0031	1st Floor - Lav - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31 041621869-0032	1st Floor - Lav - Plaster - Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32 041621869-0033	Exterior - Window Glaze	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33 041621869-0034	Exterior - Suspect Transite	Gray Fibrous Homogeneous		55% Non-fibrous (Other)	45% Chrysotile

Initial report from: 08/14/2016 12:33:43

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 041621869

Customer ID: CLAG50

Customer PO: 080216

Project ID:

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
34	Exterior - Window	Gray		98% Non-fibrous (Other)	2% Chrysotile
041621869-0035	Glaze - Plexiglass	Non-Fibrous			
	Window	Homogeneous			
35	Exterior - Door Caulk	Gray		95% Non-fibrous (Other)	5% Chrysotile
041621869-0036		Non-Fibrous			
		Homogeneous			
36	Exterior - Suspect	Gray		55% Non-fibrous (Other)	45% Chrysotile
041621869-0037	Transite	Fibrous			
		Homogeneous			
37	Exterior - Caulk	Gray		97% Non-fibrous (Other)	3% Chrysotile
041621869-0038	Between Aluminum	Non-Fibrous			
	Panels and Brick	Homogeneous			

Analyst(s)

Keishla Vazquez Caraballo (33)

Seri Smith (6)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 08/14/2016 12:33:43

EMSL Analytical, Inc.
200 Route 130 NorthEMSL ANALYTICAL, INC.
(LABORATORY / PROJECTS / TRADING)

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041621869

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company Name : Guzek Associates, Inc.		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: US	Telephone #: 570-586-9700	Fax #: 570-586-6728
Report To (Name): Joseph Guzek		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: guzekassoc@aol.com		Purchase Order: 080216	
Project Name/Number: SSD-Summer		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: PA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/R-93/116)		TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/R-93/116)	
Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)		Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Chris Notari		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01	Boiler Rm - Mastic on Fiberglass	Bulk	8/02/2016
02	Boiler Rm - Interior Boiler Brick	Bulk	8/02/2016
03	Boiler Rm - Mortor interior of boiler	Bulk	8/02/2016
04	Boiler Rm - Interior Boiler Brick	Bulk	8/02/2016
05	Boiler Rm - Boiler Gasket	Bulk	8/02/2016
Client Sample # (s): 01 - 37		Total # of Samples: 38	
Relinquished (Client): <i>Chris Notari</i>		Date: 8/4/16 Time:	
Received (Lab): <i>MD Gmsl FX</i>		Date: 8-8-2016 Time: 9:10 am	
Comments/Special Instructions:			

EMSL Analytical, Inc.
200 Route 130 NorthEMSL ANALYTICAL, INC.
EN
LABORATORY PRODUCTS TRAINING**Asbestos Chain of Custody**

EMSL Order Number (Lab Use Only):

041621869

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
06	Boiler Rm - Exterior of Boiler Cemt. Insulation	Bulk	8/02/2016
07	Boiler Rm - Exterior of Boiler Cemt. Insulation		8/02/2016
08	1st Fl - Room 001 2'x4' Ceiling Tile		8/02/2016
09	1st Fl - Storage next to Room 003 - 2'x4' CT		8/02/2016
10	1st Fl - Hallway Speech Room - joint compound		8/02/2016
11	1st Fl - Hallway Speech Room - sheetrock		8/02/2016
12A	1st Fl - Mail Hallway - 2'x4' Ceiling Tile		8/02/2016
12W	1st Fl - Principal Office (Old Med) plaster - white		8/02/2016
13B	1st Fl - Principal Office (Old Med) plaster - base		8/02/2016
14W	1st Fl - Lav - Plaster - white		8/02/2016
15B	1st Fl - Lav - Plaster - base		8/02/2016
16	1st Fl - Library Office - sink coating - black exterior		8/02/2016
17	1st Fl - Maintenance office paper over duct		8/02/2016
18	1st Fl - Stairs to 2nd Fl. - Linoleum on steps		8/02/2016
19	2nd Fl - Rm 201 - sink coating - black exterior		8/02/2016
20	2nd F-Hallway(near janitors sink)-joint compound		8/02/2016
21	2nd Fl - Hallway (near janitors sink) - sheetrock		8/02/2016
22	2nd F-Hallway-Red Fibrous, behind metal panel		8/02/2016
23	1st Fl - Hallway - joint compound		8/02/2016
24	1st Fl - Hallway- sheetrock		8/02/2016
25	1st Fl - Hallway(to exit) - joint compound		8/02/2016
26	1st Fl - Hallway(to exit) - sheetrock		8/02/2016
27	1st Fl Hallway (Middle Steps) joint compound		8/02/2016

*Comments/Special Instructions:



EN **EMSL ANALYTICAL, INC.**
LAB **LABORATORY PRODUCTS • TRAINING**

Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): _____

04621869

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FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

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